

**Amendments to the Specification:**

Please replace paragraph 10 on page 4, which starts with "Satellite TV broadcast signals..." and ends with "...beat noise reduction technique," with the following amended paragraph:

Satellite TV broadcast signals from a Direct Satellite Service (DSS) ~~are~~ were applied to the system so that the RF blocks represented realistic existing service loads. The receiver input is optically attenuated until the video was corrupted enough to create "blockiness" on the video or a chirp on the audio channel. Thus, the receiver sensitivity for any channel in any RF block in the service matrix could be measured. The delivery of "unstacked" 500 MHz blocks over several different wavelength bands and dispersion compensation techniques for broadband signal delivery in such systems have been demonstrated. Interest in the present invention is to deliver the entire service suite and to test the efficacy of the spontaneous-spontaneous beat noise reduction technique.